

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002297**Date Inspected:** 07-Dec-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Lift 3 East&West, Lift 4 East&West,OBG 7E**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Sort and organize backlog of project documentation received from ABF today.

Cross Beam #1

Internal repair works still in process touch up of localized damage with Interzinc 52 minor repairs and coating along end weld seam to prevent rust development and at ends of stiffeners these areas will be subjected to additional heat and damage from erection process. This work being performed aboard Transport Ship#17

Cross Beam #2

Internal repair works still in process touch up of localized damage with Interzinc 52 minor repairs and coating along end weld seam to prevent rust development and at ends of stiffeners these areas will be subjected to additional heat and damage from erection process. This work being performed aboard Transport Ship#17.

Lift 3 East

Top-coat application along NDT repair areas of Transverse Weld Seam along East Side Plate and on the "F" Side Plate to Top Deck Weld Seam. Interfine 979 was applied via Air-spray on the East Side Plate.

Lift 3 West

Top-coat application along NDT repair areas of Transverse Weld Seam along East Side Plate and on the "F" Side Plate to Top Deck Weld Seam. Interfine 979 was applied via Air-spray on the East Side Plate.

Lift 4 West

SOURCE INSPECTION REPORT

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Top-coat application along NDT repair areas of Transverse Weld Seam along East Side Plate and on the “F” Side Plate to Top Deck Weld Seam. Interfine 979 was applied via Air-spray on the East Side Plate. Also the internal Side Plate floor area was also checked for general compliance for Final Inspection additional repairs required.

Lift 4 East

Top-coat application along NDT repair areas of Transverse Weld Seam along East Side Plate and on the “F” Side Plate to Top Deck Weld Seam. Interfine 979 was applied via Air-spray on the East Side Plate.

OBG 7EE

Base Metal surfaces of the Side and Bottom Plate Internal “T” Stiffeners and approximately 1M up from floor area and Lower Diaphragms, Beams, and Chevron Assemblies were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat was applied.

Lift 2 East

Repairs were performed to the External burned areas where the Drip Edge was removed via cutting torch at the East Side Plate/ “F” Side Plate edge. Interzinc 52 undercoated surfaces were Top-coated with Interfine 979 today via brush and roller.

OBG 7BW

Internal and external base Metal surfaces were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

Summary of Conversations:

Caltrans QA Lumley inquired with ABF QA Bill Oak as to why ZPMC QC personnel consistently fail to recognize repair work such as visibly rusted localized areas and take a proactive approach to performing repairs, ABF QA and Caltrans QA Lumley have collectively marked areas for repairs to which no repairs were performed even after pointing out said repair locations to ZPMC personnel.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
